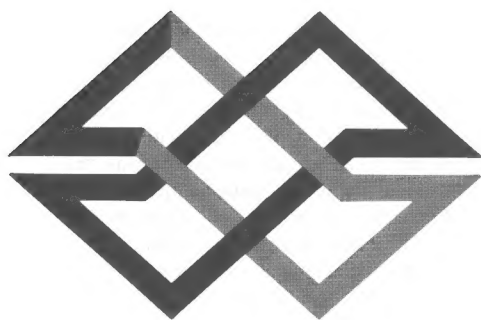


FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

9 NOVEMBER 1978



CHEMBIOMED LTD.

The previously low profile of Chembiomed Ltd. is undergoing a change in elevation. The company, which has been in operation since 1 August 1978, and whose entire complement of one hundred shares is in the possession of the University's Board of Governors, has finalized its Board of Directors and appointed a Vice-President of Marketing and Sales.

R.U. Lemieux, Professor of Chemistry, is the President of Chembiomed Ltd. and the remainder of the Board consists of H.E. Gunning, University President; J.L. Schlosser, Chairman of the University's Board of Governors; D. Max Ritchie, President of Medway Investment Corporation Ltd.; N.A. Lawrence, Chairman of the Community Relations Committee of the Board of Governors and Chairman of the Board of Ponderay Exploration Company; R.N. Dalby, former Chancellor of the University and President of the engineering and management consulting firm R.N. Dalby and Associates Ltd.; Robert Stollery, Trustee, The University of Alberta Foundation, and

President, Poole Construction Ltd.; and E.A. Geddes, a partner in the firm of Price Waterhouse and Company. Mr. Geddes, past Chairman of the University's Board of Governors, serves as Special Adviser to the Board of Directors of Chembiomed Ltd.

On 1 November, Claude Pranno took office as Vice-President, Marketing and Sales. He was formerly Sales Manager with Canadian Hoechst Behring Diagnostics, Montreal.

Alfred Daniel, Business Manager of Chembiomed Ltd., believes that one of the more pressing challenges before the company relates to fulfillment of the five-year sales projection which the company made in its prospectus to the Government of Alberta, the body which acted as guarantor of a \$2 million loan to Chembiomed Ltd. from the Canadian Imperial Bank of Commerce.

"We have to demonstrate to government that the company can be a viable commercial factor with respect to the market development of health care research at the University," he said.

Chembiomed (Chemistry, Biology, Medicine) Ltd. issues monthly reports to the Department of Business Development and Tourism.

The common denominator of each product being refined by the company is that each is related to the blood banking business. According to Dr. Lemieux, a prime force in the establishment of Chembiomed Ltd., the main strength of the company is its ability to mount processes for the manufacturing of complex structures corresponding to those structures found on the surfaces of red cells, tissues, and body fluids of humans. Chembiomed Ltd. is preparing, for the first time, immunoabsorbents and artificial antigens both for the improvement of existing supplies of blood-typing reagents and the

development of typing reagents needed but not currently available.

As a result of this work, it will be possible to save large amounts of human blood by diverting large quantities to life-sustaining products rather than to diagnostics. It will also be possible to minimize unfavorable blood transfusion reactions which occur through lack of ability to determine accurately sub-groupings of human blood types, and through the presence of certain impurities in the blood sera.

The company's first sale was a rather modest one—\$150 to the National Research Council of Canada. However, a later sales transaction with the Red Cross totaled \$50,000. Such a figure can be reached quickly because the selling price has been set at \$12,750 per kilogram.

Another sale was negotiated recently with a research institute in Seattle and Mr. Pranno will, in the course of molding marketing procedures, be meeting with Red Cross personnel, in the United States, France, and Britain.

Dr. Daniel envisages a world-wide marketing force for Chembiomed Ltd. but he hastens to add that such growth can only occur if sales reach dramatic heights. That is a distinctly long-range goal. In the meantime, Chembiomed Ltd. is working toward the full development of pharmaceutical endeavor in Alberta. That work is carried out in some 4,500 square feet of fully utilized space which the company leases from the University. Chembiomed Ltd. also pays for all services provided to it by the University.

Twelve persons, including three chemists, five technicians, and one serologist are employed by Chembiomed Ltd., whose main office is located in W5-56 Chemistry Building.

BEST EDUCATIONAL FILM AWARD

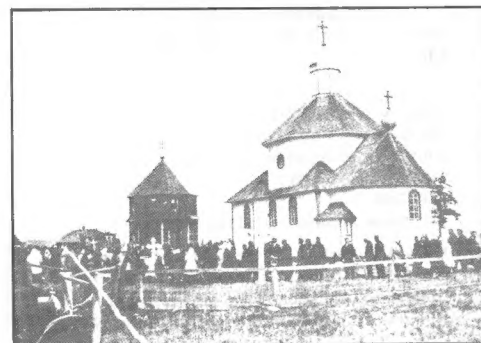
To Everything there is a Season, a thirty-minute, color film produced and directed by Donald Spence of the University's Department of Radio and Television, was judged "Best Educational Film" at the fifth annual Alberta Film Festival.

The Festival, held in Calgary on 25, 26, and 27 October, saw a second award for "Best Script Non-Dramatic" go to the film's co-writers, Mr. Spence and Earle Waugh,

Chairman of the Department of Religious Studies.

To Everything there is a Season offers an inside view of the Russo-Greek Orthodox Holy Trinity Parish at Smokey Lake. The film is one of ten in the Religious Diversity Series co-produced by the Department of Radio and Television and Access Alberta.

Dr. Waugh, who also acted as series coordinator, has arranged weekly screenings on Wednesdays at noon in L-1 Humanities Centre. *To Everything there is a Season* will be shown on 15 November.



ENERGY CONSERVATION SUGGESTION BOX

The "Suggestion Box" is a regular feature in *Folio*. The following suggestions and enquiries have been directed to "Energy Conservation—Suggestion Box" since the previous articles appeared in *Folio*.

1. The scope of this suggestion box is rather restricted. I've heard many suggestions and complaints about the way things are done at the university, and few bear directly on energy management. For example,

a. Why are expensive granite bricks used to line the walkways?

b. Why are perfectly good sidewalks paved over, and inset with yellow rubber strips?

c. Why are amber lights made to shine up the sides of buildings?

d. Why is it that many doors are locked all weekend, despite signs indicating that they should be open from 10 to 6?

e. Why do most of the campus maps show a view from the North-East instead of from the South?

Many of the people who make these observations simply don't know who to talk to. It would be very useful if an office were created to field such comments and direct them to the proper departments.

John Demco

We acknowledge your statement concerning the limited scope of the Energy Conservation Suggestion Box; however, it was energy related issues upon which we wished to focus attention at this time.

In answer to your question concerning the requirements for an office to be created to field general University wide comments, we would direct you to the newly created "Office of Community Relations," which has this task assigned to them.

FOLIO

Inquiries concerning the placement of Notices and Advertisements in *Folio* and all other correspondence with the Editor should be addressed to:

Folio,
Office of Community Relations
423 Athabasca Hall,
University of Alberta
Edmonton, Alberta
T6G 2E8
Telephone number: 432-2325.

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We would suggest that items a, b, and e of your questions can best be answered by the Campus Development Office, as these items relate to the Long Range Landscaping Plan approved by the University, which is administered by CDO. Mr. Blake Pratt MRIAC, 215 University Hall, telephone 432-4966, should be contacted for indepth background on the Landscaping program.

Flood lighting of selected building facade's around the campus is undertaken for visual aesthetics. High Intensity Discharge (HID) sodium lighting is now selected for this purpose due to its higher lighting efficiency compared with other lighting sources.

When doors which are posted to be unlocked on weekend are found to be locked, please contact the Operations Control Centre, telephone 432-4855, to report the occurrence such that corrective action can be initiated.

2. In the interest of saving energy, it might be beneficial if the University encouraged its employees and students to use the Edmonton Public Transit system rather than their gas guzzling cars. The resulting savings in gasoline, and consequently energy, would be significant, not to mention the reduced traffic in the area.

J. Clark

The University of Alberta is an active supporter of the public transit system, and has lobbied extensively with Edmonton Transit to continuously upgrade and expand service to the University. Over the years service has been greatly expanded. In addition the University has funded the installation of heated, well lit bus shelters to further enhance the service.

Generally, the University does not encourage the driving of cars to the campus, and keeps the situation under continuous review in the Parking Office, through the Vehicle Parking Permits.

3. In response to queries directed to Energy Management via their "suggestion box" in regard to items concerning landscaping, exterior lighting, and exterior signage (campus maps), the Campus Development Office requests that these questions be addressed to Blake Pratt, MRIAC, 215 University Hall or call 432-4966.

B. Pratt

Campus Development Office

We include the above comments received from Campus Development Office.

Please continue to direct your comments to MTS source IDEA: ENERGY.SAVE or The Suggestion Box
Operations and Energy Management
4th Floor, General Services Building

BOARD OF GOVERNORS

The regular meeting of the Board of Governors was held on Friday, 3 November. The following items were among those discussed during the open portion of the meeting.

Report of the University Priorities Committee

The Board approved, on the recommendation of its Executive Committee, a motion from the President, that it defer consideration of the Final Report of the University Priorities Committee until February, 1979. While it was emphasized by M. Horowitz, Vice-President (Academic), that there was "no attempt to delay the issue endlessly" and that "the matter has to be looked at with speed," the Board agreed that the representatives of the various University constituencies should have adequate time to prepare considered responses to the report.

The Board, on a request from the Chairman of its Community Relations Committee, also approved the publication in future issues of *Folio* of summaries of responses to the Report prepared by concerned groups at this University.

1978-79 ADMISSIONS INTO QUOTA PROGRAMS

	Number admitted	Additional number qualified but not admitted
Agriculture and Forestry	175	0
Business Administration and Commerce		
—1st year	204	445
—transfers	200	523
Dental Hygiene	40	95
Dentistry	50	72
Drama—		
Acting Program	16	80
Engineering	500	0
Law	175	420
Medical Laboratory Science		
—1st year	35	24
—transfers	5	11
Medicine	118	418
Nursing		
—4 year Basic	54	71
—Post RN	72	85
Occupational Therapy	37	13
Pharmacy	130	238
Physical Education and Recreation	116	0
Physiotherapy	40	75
Speech Pathology	26	41

Provincial Mental Health Advisory Council

The Board approved the appointment of Roger Bland of the Department of Psychiatry as alternate University representative on the Provincial Mental Health Advisory Council. This appointment was necessitated by the recent resignation of James Earp, also of the Department of Psychiatry, from the Council.

NOMINEES FOR ACADEMIC REPRESENTATIVE ON BOARD OF GOVERNORS

In January 1979 the term of membership will expire for one of the two academic staff representatives on the University's Board of Governors. The following individuals have been nominated to fill this impending vacancy on the Board.

Ballots were distributed to all academic staff, with voting instructions, on Tuesday, 7 November. These ballots should be returned in the enclosed, signed envelopes, to M.M. McCaughan, Secretariat, University Hall, before 24 November.

F.S. Chia

Fu-Shiang Chia, Chairman of the Department of Zoology, joined the University's staff in 1969 and was promoted to Professor in 1975. An embryologist of marine animals, he obtained his BSc from Taiwan Normal and his MSc and PhD from the University of Washington, in Seattle. From 1964 to 1966, he was on staff at Sacramento State University in California, and from 1966 to 1969 he was a research officer at the University of Newcastle-upon-Tyne in England.

Dr. Chia has served on the General Faculties Council Salary and Promotion Appeals Committee, on the Council of the Faculty of Graduate Studies and Research, on the Executive Committee of the Association of the Academic Staff of the University of Alberta (AASUA), on the AASUA Nominating Committee and on the AASUA Salary Committee, as Chairman of its negotiating team.

He has also served on the Western Canadian Universities Biology Society's Academic Committee and on the Management Council of the Banfield Marine Station.

Dr. Chia has edited two books and has had published more than sixty scientific articles. In 1977 he was elected a Fellow of the American Association for the Advancement of Science.

R.J. Crawford

Robert J. Crawford, Professor of Chemistry, is a graduate of the University of Alberta (Honors BSc, 1952; MSc in Organic Chemistry, 1954) and of the University of Illinois (PhD, 1956). He joined the Faculty of Science at the University of Alberta in

1956, was promoted to Professor in 1967, and became Chairman of the Organic Division of the Department of Chemistry in 1975. Dr. Crawford's research interests include geochemical studies on protein materials as potential dating methods and the organic chemistry of hydrocarbons. He has had published forty-six articles, has given invited lectures at various universities throughout Canada, the United States, the United Kingdom, and Western Europe, and has been elected a Fellow the Chemical Institute of Canada.

Dr. Crawford has served on a number of Department, Faculty and University level committees, including the General Faculties Council, the GFC Executive, the Academic Development Committee, and the University Press Committee. He has also been a member of the Professional and Academic Standards Committee of the Chemical Institute of Canada, Chairman of its Organic Division and of its Edmonton Section, and a member of the Editorial Board of the *Canadian Journal of Chemistry*.

J.B. Dossetor

John B. Dossetor is Professor of Medicine, Director of the Department of Medicine's Division of Nephrology, Director of the Nephrology and Clinical Immunology Division of the University Hospital, and Director of the Clinical and Transplantation Immunology Research Group, as well as being Honorary Professor of Immunology. Dr. Dossetor, a graduate of Oxford University, the University of London, and McGill University, joined the staff in the Faculty of Medicine in 1969; previously he was Associate Professor of Medicine at McGill University (1966 to 1969) and a United States Public Health Service Fellow in New York (1960 to 1961).

Dr. Dossetor's research interests centre on the various aspects of transplantation and nephro-immunology. He is the coauthor of two books and has had published some 180 articles.

At the University he has served on the PhD in Medical Science Committee of the Faculty of Graduate Studies and Research, on the Executive Committee of the Department of Medicine, and as Chairman of the Department of Medicine's Research Committee.

He is an Associate of the Medical Research Council (Ottawa), Chairman of the Science Council of the Kidney Foundation of Canada, and President of the Canadian Society of Nephrology.

J.S. McMaster

Juliet McMaster, Professor of English, is a graduate of Oxford University (Honors BA, 1959) and the University of Alberta (MA,

1963; PhD, 1965). She joined the University's staff in 1965 and was promoted to Professor in 1976. She teaches in the areas of the nineteenth century novel and children's literature. Her publications includes various articles on eighteenth and nineteenth century fiction and three books: *Thackeray: The Major Novels* (1971), *Jane Austen on Love* (1978), and *Trollope's Palliser Novels* (1978). She is a member of the Editorial Advisory Board of *English Studies in Canada* and *Victorian Studies*. The awards she has received include a Guggenheim Fellowship in 1976-77.

Dr. McMaster has served on various University committees including General Faculties Council Committee on Research, Radio and Television Committee, and Council on Student Affairs. She was Chairman of the Faculty of Arts Curriculum Committee in 1975-76 and at present is Honors Adviser in the Department of English.

She was founding President of the Victorian Studies Association of Western Canada (1971 to 1973) and President of the Association of Canadian University Teachers of English (1976 to 1978).

A. Neufeld

Anne Neufeld, who has been associated with the Faculty of Nursing since 1973, was appointed to full-time staff in 1976 as Assistant Professor. She graduated from the University of Saskatchewan in 1966 with a BSc (Nursing) and in 1974 with an MSc. Since her appointment she has served on a wide variety of committees within the Faculty of Nursing and as a member of the Interdisciplinary Studies Advisory Council. Professor Neufeld has been most actively involved in a review of the Faculty of Nursing's curriculum and program of study.

Professor Neufeld's areas of research centre on communication. She is a member of several professional associations, including the Alberta Community Nurses Society, the Association of Gerontology, and the Canadian Public Health Association. At present she serves on the Alberta Association of Registered Nurses Scholarship Committee, and is Vice-President of the Canadian Association of Schools of Nursing (Western Region).

D.B. Robinson

Donald B. Robinson, Professor of Chemical Engineering, joined the University's staff thirty years ago, in November 1948. He is a graduate of the University of British Columbia and the University of Michigan. In 1959 he became Professor and also became Chairman of the Department of Chemical Engineering, a position he retained until 1970.

Over his years at the University, Dr. Robinson has served on a wide range of

committee at the Department, Faculty, and University levels, including General Faculties Council, of which he was a member from 1959 until 1966 and again for a three-year term more recently. In 1958 he was President of the Academic Staff Association.

Dr. Robinson was a founder and the first President of the Canadian Society for Chemical Engineering, and has served the Society in a number of executive positions thereafter.

Since stepping down as Chairman of his Department in 1970, Dr. Robinson has devoted an increased effort to research. His research interests include study of the properties of hydrocarbons and related materials and vapor-liquid equilibrium experimental and theoretical studies. He has about sixty-five papers in reviewed journals and has undertaken substantial contractual research for the American Gas Processors Association and for the Alberta Oil Sands Technology Authority (AOSTA).

L.G. Stephens-Newsham

Lloyd G. Stephens-Newsham, Professor of Pharmacy and Chairman of the Division of Bionucleonics and Radiopharmacy, joined the Department of Physiology at the University in 1966 and transferred to the Faculty of Pharmacy and Pharmaceutical Sciences in 1975. He is a graduate of the University of Saskatchewan (Honors BA, 1943) and McGill University (PhD, 1948). Prior to his appointment here he was an Assistant Professor of Physics at Dalhousie University from 1948 to 1952 and an Associate Professor of Physics and Radiology at McGill University from 1952 to 1966.

Dr. Stephens-Newsham has served the University on a number of committees at all levels: General Faculties Council and the GFC Nominating Committee, the Council of the Faculty of Graduate Studies and Research, and the Salary and Promotion Committee of his Faculty. He is Alternate Chairman of the "Slowpoke" Nuclear Reactor Committee and Past Chairman of the Radiation Control Committee.

As President of the Association of Academic Staff of the University of Alberta (1972-73) he has served on various AASUA committees and several joint Board-AASUA committees, and was President of the Confederation of Alberta Faculty Associations. He has also served on the AASUA Government Relations Committee and as Chairman of the Welfare Committee.

In general Dr. Stephens-Newsham's research interest centres on radiation biology, and he has published several papers in this field.

Beyond the University, Dr. Stephens-Newsham is a member of the executive of the local branch of Amnesty International.

M.M. Veeman

Michele M. Veeman, Associate Professor of Rural Economy, joined the Faculty of Agriculture and Forestry in 1970. A graduate of Massey University in New Zealand (Bachelor of Agricultural Science, 1963), Adelaide University in Australia (Master of Agricultural Science, 1965), and the University of California, Berkeley (PhD, 1971), she was previously employed at Massey University and at the University of California, Berkeley. Dr. Veeman is currently graduate student adviser for the Department of Rural Economy. Her general research interests are in agricultural marketing institutions and policies, and she has several monographs, reports, and articles published in this field.

Dr. Veeman has served as Joint Editor of the *Canadian Journal of Agricultural Economics* from 1972 to 1976 and as a member of the Executive Committee of the Agricultural Economics Society for the same period.

Within the University she has served on committees at all levels: the General Faculties Council Radio and Television Committee, the Faculty of Agriculture and Forestry Salary and Promotion Committee, the Faculty's Publications and Public Relations Committee, and the Faculty Registration Committee. She is a member of the AASUA Council, and has served as Chairman of the AASUA Salary Committee, as a member of the Salary Negotiating team, and as a member of the AASUA Executive.

Beyond the University, Dr. Veeman is a member of the Alberta Food Processing Council and has been a member of the program planning committee for the 1974 and 1975 Alberta Feed Industry Conferences.

SCHOOLING IN ALBERTA: INTRODUCING THE JOHN S. SANDERCOCK LIBRARY

On 25 October, a brief half-day conference marked the official opening of the John S. Sandercock Library in the Department of Educational Foundations.

The John S. Sandercock Library is a new venture in promoting research into the history of education. It will house a unique historical collection of school textbooks acquired by Mr. Sandercock over many years of teaching in this province, plus various complementary materials such as theses on the topic of the history of education in Alberta and a basic general reference section on this subject.

Mr. Sandercock had a special interest in educational publishing throughout his long career, during the course of which he became associated with several major Canadian publishing firms. Especially aware of currents

of change in school materials, he recognized the value of preserving such materials from former years to demonstrate their own history.

Mr. Sandercock gradually accumulated his collection of Alberta textbooks of the past, and sought to house them where they could be more widely used. The main difficulty lay in keeping the collection together, so that chronological lines of development could be traced easily. Ordinarily, if the collection were donated to a library, it would be dispersed according to the library's preset order, and possibly duplicate volumes would be stored or disposed of. Thus, Mr. Sandercock searched for several years in government and academic sectors to find a home for his collection that would protect the collection's integrity.

Last year the Department of Educational Foundations agreed to accept Mr. Sandercock's generous offer of his textbook collection; the Department, which is responsible for teaching, among other things, the history of education, appreciated the necessity of keeping the collection intact, especially for research into schooling in Alberta. Once the project was endorsed by the members of the Department, a seminar room was made available and furnished as a library, thanks to a generous grant from the Alma Mater Fund and a 3AU matching grant. Throughout the summer, work has been underway cataloguing and organizing Mr. Sandercock's collection, which is arranged chronologically within subject areas.

The conference celebrating the opening of the John S. Sandercock Library heard three speakers on the topic of "Schooling in Alberta: the Eccentric and the Idiosyncratic": Dorothy Dahlgren, freelance broadcaster and gatherer of historical anecdotes; John W. Chalmers, author of *Schools of the Foothills Province* and *Teachers of the Foothills Province* (University of Toronto Press: 1967 and 1968 respectively) and Professor Emeritus of Educational Foundations; and Herbert T. Coutts former teacher, former Dean of the Faculty of Education, and Professor Emeritus of Education.

Mrs. Dahlgren told stories she had gleaned from interviews with retired teachers and from various newspaper reports from towns across the province. She recalled the iron hand the school trustees of the past wielded over all aspects of the teachers' lives. On one occasion, in 1907, she said that a group of trustees had brought an "expert" from Toronto to advise them on the hiring of female teachers. He advised them never to hire a woman without first seeing a full-length photograph of her or without having heard her speak. From the photograph they could determine whether or not she was too attractive and thus likely to be married off soon and

lost to the school, and also whether she was given to such frivolous and unseemly practices as wearing short dresses that showed her ankles, thus causing depravity among the youthful minds of her pupils. Her voice was important in that it should be soft and low, not loud and screeching, lest a shrill-voiced woman teacher turn the students into hooligans. Furthermore, she should be suitably deferent and not display signs of independent thinking. Lastly, she ought to have at least a grade ten education.

The trustees had advertised glowingly of the opportunities and splendid conditions in Alberta for teachers, and were surprised that when the teachers found that conditions were not at all as promised, they moved away as quickly as they could. To curb this ungrateful tendency, the trustees resolved to reduce the teachers' salaries a further \$50 per year (rather a large sum in those days) so that they would not be able to afford to travel.

Mrs. Dahlgren went on to describe idiosyncratic teachers: a man who invented a universal metric time system (one hundred hours to the day, ten days to a week, three hundred days to a year, and the days that were left over you forgot about), a woman who was a virulent prohibitionist and who became exercised over such upsetting matters as "cocktail aprons"; and a gallery of others. She unearthed one educationalist who believed that higher education was wasted on "the female of the species," who should be taught cooking, sewing, and other skills that would enable them to become "adequate wives and mothers, the backbone of the country."

Dr. Chalmers confined his description of the "eccentric and idiosyncratic" to one school division, Northlands, and one school in particular, the vocational high school he helped establish in Grouard. In this school, he said, the trustees became involved in a variety of odd things that school trustees rarely encounter: building houses, for example, supplying sewers, water, and street lighting, acquiring a firetruck and running a fire department (with the principal as fire chief), and, for a new forestry course, apparently the first on any high school curriculum in Canada, procuring a truck, a tractor, a tree harvester, and a sawmill. The aim of the school was to make its students ready for jobs, and the forestry class was a winner: most of the students in that class are still employed in the forestry industry, according to Dr. Chalmers.

He recalled that the symbol for the school division was Mortimer Moose, a literate moose who wore a mortarboard. "We chose him as a symbol for the school district because both he and the school district were big

and awkward and looked like hell."

Dr. Coutts, in his talk, "opened windows" onto changes that had taken place over the years in education in Alberta. He referred to a textbook written in 1869, *Longer English Poems*, in which the preface applauds the introduction of English literature into classrooms. He recalls that the readers he used as a child in school were published by the mail order house, T. Eaton and Company; other textbooks were published by the rival mail order firm, Simpson's. He remembered the days when the school was the "sole source of ethical and religious and moral training," and the Alexandria readers, with their aphorisms to back this training up.

He recalled, too, his first teaching position in a one-room school near Cereal, in southeast Alberta, teaching grades one to ten. "I lived in a teacherage that was really a converted granary with a two hole stove—I never did learn how to make split peas soft."

Dr. Coutts went on to describe three kinds of educational birds: Dodo birds—Greek, analytical geometry, and Latin; the phoenix, the legendary bird that consumed itself by fire and then rose anew from the ashes—"Back to Basics"; and the Whirlybirds, as he characterized "the people in Curriculum and Instruction."

Following these brief and entertaining addresses, Mr. Sandercock, who was present with his family, was officially thanked for his donation and in turn responded with "gratitude for the honor to me and my family" in having the collection accepted by the University and the library named for him.

The John S. Sandercock Library will serve the educational community in a unique fashion. While it preserves the living past, it also encourages direct contact with that past. Fundamentally, it exists to promote research into the history of Alberta education, thus it houses materials central to University teaching that promotes that purpose.

The John S. Sandercock Library also has an archival function in that certain of its historical materials are unique and irreplaceable. The core of the library is the historical collection of Alberta textbooks. However, testimonies of the past, in forms other than book form, are accommodated as well: photographs, documents, correspondence, and artifacts, which consitute evidence for the story of schooling in Alberta.

The special library is also charged with obtaining and caring for materials appropriate to promoting research into the history of education in this province, with managing the library's collection so that it will be a teaching and research aid for the whole University community. However, the Sandercock Library has other research strengths as well, including a collection of

local histories especially selected for their bearing on school history; government data, including legal and statistical materials and various major reports on education; Alberta Teachers' Association publications showing the growth of professionalism in teaching in in this province; dissertations, from Educational Foundations and other departments, from this and other Alberta universities, with a bearing on the history of education in the province; and a basic general reference section on the history of education in Alberta.

The Department of Educational Foundations urges all who can make use of the John S. Sandercock Library to do so; it also invites suggestions to help track down and obtain other historical materials to add to this very special resource.

GENERAL FACULTIES COUNCIL

The regular meeting of General Faculties Council was held on Monday, 30 October. The following items were among those discussed.

New Members

D.D. Barry (Extension) and T.J. Christian (Law) were elected by their Faculties to serve on General Faculties Council, to 31 December 1979 and 30 June 1981, respectively. Council appointed the following elected student representatives as members: Leslie Yandell (Rehabilitation Medicine 4), Dennis Harris (Education 3), and Clarence Siracky (Education 3). These student members will serve until 31 March 1979.

Nominating Committee

Council elected the following individuals to serve on these committees.

Ad hoc Committee on GFC Committees and Procedures: J.A. Robertson (Soil Science).

Selection Committee for the Chairman of the Department of Accounting: M.M. Veeman (Rural Economy).

Selection Committee for the Chairman of the Department of Microbiology: J.F. Henderson (Biochemistry).

Selection Committee for the Chairman of the Department of Botany: W.H. Vanden Born (Plant Science).

Selection Committee for the Chairman of the Department of Chemistry: L.I. Wiebe (Pharmacy).

Selection Committee for the Chairman of the Department of Soil Science: R.D. Morton (Geology).

Review Committee for the Chairman of the Department of Physiology: D.D. Beatty (Zoology).

Review Committee for the Chairman of the Department of Educational Foundations: J. Bilsland (English)

Review Committee for the Chairman of the Department of Agricultural Engineering: J.S. Kennedy (Mechanical Engineering).
Review Committee for the Chairman of the Department of Entomology: A. Ahmed (Genetics).
Review Committee for the Chairman of the Department of Food Science: R. Renner (Home Economics).
Universities Coordinating Council: R.S. Smith (Dean, Faculty of Business Administration and Commerce).
Academic Appeals Committee: P.K. Pierzchalski (Law 1), G. Sylvester (Education 4), alternate D. Davidson (Law 1).
Housing and Food Services Committee: D. MacKay (Education 4).
Library Committee: A. Kyle (graduate student, Zoology).
University Planning Committee: Joanne Stiles (Arts 2).
Writing Competence Committee: L. Pagliaro (Pharmacy).

Disciplinary Measures for Students Outside Regular Programs

Council endorsed the recommendation of Deans' Council governing disciplinary procedures for students outside the regular and special sessions programs of the University, programs that are too short in duration to allow the normal disciplinary and appeal procedures:
"That in the case of programs given by the University which lie outside the regular Winter, Spring, or Summer Session programs, GFC delegates to the dean concerned the authority to waive GFC procedures which are in conflict with the procedures specified for the program."
"That, in the case of disciplinary problems with students in programs given by the University which lie outside the regular Winter, Spring, and Summer Session programs, GFC delegates to the dean concerned the authority to take whatever action is deemed necessary. The student may appeal the dean's decision to the Dean of Students whose decision shall be final."

It was noted that these recommendations were intended to provide the same level of safeguards for such students as for students during the regular University sessions.

Special Sessions Reports

Council received the annual reports for the Spring Session 1978, Summer Session 1978, and the Off-Campus Evening Credit Program for 1977-78.

For the first time, the number of courses offered during Spring Session (249) surpassed those of Summer Session (237). Numbers of students enrolled continued to be greater for Spring Session (3,819) than for Summer Session (3,064).

Enrolment in the Evening Credit program continued to decline, from 746 in 1973-74 to 462 in 1977-78. In view of this and in view of the deficit between expenses of the program and tuition fees paid for it, it was suggested that the Special Sessions Committee consider a re-evaluation of this program.

Interdisciplinary Studies Selection Committee

The original selection Committee for the Dean of Interdisciplinary Studies was composed of "three persons from and elected by the Council of the Faculty of Graduate Studies and Research (one of whom shall be a graduate student). . . ." Since the time the original committee was struck, the Advisory Council for Interdisciplinary Studies was established.

Therefore, Council agreed to change the composition of the Selection Committee, replacing individuals elected from the Council of the Faculty of Graduate Studies and Research with persons elected from the Advisory Council for Interdisciplinary Studies.

Post-Graduate Diplomas

The Faculty of Graduate Studies and Research brought to Council a proposal for a Post-Graduate Diploma Program.

The purpose of such a program would be to "meet a need among persons in the community by offering a type of advanced credential which is not as restrictive in requirements as the normal graduate degree. The opportunity to take some advanced course work could provide a means for persons to improve their credentials and bring themselves up to date without having to concern themselves with residence requirements or the writing of a thesis." The intent would be to use existing courses rather than creating special new courses for such programs.

Approval of a post-graduate diploma program in a given area of study would be the responsibility of the Council of the Faculty of Graduate Studies and Research and of an ad hoc committee struck by the Dean of Graduate Studies to examine each case.

Because the diploma programs would not be research-oriented or designed for students intending to proceed with graduate study, completion of a diploma program would not guarantee admission to any other program, nor would courses taken toward a diploma necessarily be accepted for credit towards a degree.

Council approved the proposal for Post-Graduate Diploma Programs and the procedures for the approval of these programs.

Correspondence Course Clause

In a close vote, 45 to 42, Council approved a recommendation from the Dean of Nursing, Amy Zelmer, that in Section 14.4.1 of

the *University Calendar*, the phrase shown in italics be deleted:

"In addition, applicants whose previous university work was done by correspondence may be granted advanced standing only with respect to the first year of their program. The limitation to junior courses may be waived in special circumstances, on appeal to the dean of the student's faculty."

Dean Zelmer pointed out that because many universities did not distinguish between correspondence courses and traditional courses on their transcripts, there was the possibility of students being treated inequitably.

At a meeting of Deans' Council on 18 October, Dr. Zelmer's recommendation was approved by a vote of eleven to two, with ten abstentions.

Dean Baldwin of the Faculty of Arts expressed strong opposition to the deletion of the phrase limiting correspondence courses, on the grounds that the courses most affected, and most difficult to evaluate, would be Arts courses. Nonetheless, after much debate, Council voted to delete the correspondence course clause from the *Calendar*.

FRENCH CURRICULUM LIBRARY NOW OPEN

Le Centre de Documentation Pédagogique has officially been opened at Faculté Saint-Jean. Funded by both federal and provincial governments, the purpose of the project is to provide documentation which will help in the training of bilingual teachers for Alberta schools.

Education students and professors at Faculté Saint-Jean have been the principal users of the Centre since it began in 1977. Now, however, it is capable of accommodating all teachers in the province who use French as a language of instruction. The Centre will facilitate the ordering of educational materials necessary for teaching courses in French as well as provide materials for consultation by teachers in both bilingual and immersion programs.

The Centre's work is by no means finished, however. The collection of books in French in all subject areas will be a continuing process.

Resources in the Centre include posters, slides, geographical maps, filmstrips, and multi-media kits. An excellent collection of children's literature, especially at the elementary and junior high school levels, is also available.

The Department of Education's French teaching materials are now located at the Centre. There is also a collection of the curricula in bilingual or immersion programs found in other provinces.

The librarian, Sylvia Landry, and her assistant Michelle Trottier, are in charge of operations at the Centre. To communicate its resources and uses, Miss Landry will be visiting schools, displaying her materials during conferences, and giving workshops at the Centre itself.

The Centre is open to 5:30 p.m. weekdays (8:30 p.m. Tuesdays). For evening or Saturday visits, please contact Miss Landry, telephone 466-8350 or 466-2196.

LIBRARY TO RECEIVE ALLOCATION FROM ALBERTA HERITAGE SAVINGS TRUST FUND

A.E. Hohol, Minister of Alberta Advanced Education and Manpower, has announced the details of a proposed allocation of \$9 million to post-secondary institution libraries. The funds will come from the Alberta Heritage Savings Trust Fund. The money, \$3 million a year for three years, will be used solely for the purchase of learning materials such as books, journals, periodicals, microfiche, microfilm, and audio-visual materials.

The grants will be conditional and based on need, status, and quality of current holdings, and related to actual expenditures during the previous three years. Since funds are intended for above normal purchases, future budgetary allocations for library acquisitions by the institutions concerned must not be less than the current levels. The institutions designated for funding are the Universities of Alberta, Calgary, and Lethbridge; Athabasca University; and the Fairview, Grande Prairie Regional, Keyano, Lakeland, Lethbridge Community, Medicine Hat, Mount Royal, Olds, and Red Deer colleges.

The extent of the funding allocated to this University and to other institutions is yet to be established. As well, the procedures by which allocations will be made are still in the planning stages.

PUBLICATIONS

Notices of publications by academic staff, non-academic staff, and students in the current academic year should be sent to Publications Column, 423 Athabasca Hall.

Bishop, J. (Educational Psychology): Creativity, Art and Play Therapy. *Canadian Counsellor* 12, no. 2 (1978).
———, and F. Trehearne (Student Affairs): *Stories for Living and Growing*. Edmonton: The University of Alberta Press, 1978.*

Cirillo, R. (Economics): *The Economics of Vilfredo Pareto*. London: Frank Cass and Company, 1978.

Shiner, R.A. (Philosophy): Wittgenstein and the Foundations of Knowledge. *Proceedings of the Aristotelian Society* 78 (1977-78): pp. 103-124.

———. On Giving Works of Art a Face. *Philosophy* 53 (1978): pp. 307-324.

Van Manen, M., and L.D. Stewart, eds. (Education): *Curriculum Policy Making in Alberta Education*. Edmonton: The Faculty of Education, The University of Alberta, 1978.**

Wohlfarth, H. (Art-Extension): Unity of Knowledge and Continuing Education. *Journal of the Alberta Association for Continuing Education* 6, no. 1 (1978): pp. 31-35.

(* Available from The University of Alberta Press, \$4; ** available from the Dean's office, Faculty of Education, \$6.)

PEOPLE

■ D.J. Engel, Associate Professor in the Department of Secondary Education, spoke at the Early Childhood Education Council of the ATA in Calgary on 28 October.

Dr. Engel spoke on Television and the Child.

■ Erich Schroder, German coordinator for Canadian/German cooperation in science and technology, visited the Boreal Institute for Northern Studies on 4 October. He was accompanied by W.F. Cockburn, Canadian Senior Coordinator of the program. West Germany, has plans to develop research programs in the Antarctic. The material in the Boreal Institute's Library was reviewed, and Dr. Schroder was also able to discuss those aspects of organization and logistics of Arctic research that are equally applicable to the Antarctic with Mr. Jamison, the Boreal Institute's Director.

■ Barbara Fraser of the Education Library gave a two-day workshop on the use of music in occupational, physio-, and speech therapies, and in special education at the Children's Rehabilitation Centre, University Hospital, Saskatoon, on 12 and 13 October.

■ The writing abilities of students at this University continue to be a matter for concern. Among the latest proposals emanating from the Writing Competence Committee of the General Faculties Council is a recommendation that a test be administered to a sample of first-year students. An important part of the test will be a series of machine-scored, multiple choice questions.

The University of Alberta

*invites nominations
and applications
for the position of*

President

It is expected that the appointee will take office in July 1979.

Nominations and applications with biographical data should be submitted to:

Mr. John Nicol
Secretary to the Governors
Room 3-20, University Hall
The University of Alberta
Edmonton, Alberta
T6G 2J9

FILM ACQUISITIONS

The following is a listing of recent acquisitions. Each acquisition is listed by title, producer, date of release, format, duration, and location.

Can You Tell Me Your Name
Department of Radio and Television, 1978 video-cassette, 16 mm, 28.5 minutes available from the Department of Radio and Television

This documentary contributes to public understanding and support for stutterers and their difficulties, and in addition to emphasizing the handicapping effects of stuttering, the film also comments on the treatment that is available to stutterers.

Sex Education in the School: Parental Guidance Advised?

Department of Radio and Television, 1978 video-cassette, 28.5 minutes available from the Department of Radio and Television
A startling update on a controversial issue. "Family Life" consultants at both Public and Separate School systems maintain that Grade 7 is too late to begin offering sex education classes. Some teachers feel that parents must press for changes in the curriculum to accommodate Family Life programs. Currently, only three out of every hundred children receive any form of sex education in the Public Schools.

NOTICES

Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary. Notices should be sent to Folio Notices, 423 Athabasca Hall.

Host Family Program

The International Student Organization offers to international students at the University a service called the "Host Family Program." The objective of the program is to promote friendship, cultural exchange, and understanding between Canadian families and international students. The basic idea is that a Canadian family will adopt temporarily one or more international students during the students' stay in Edmonton. Students will live in their own residences but will be invited to their host family's home for occasional weekends, at Christmas, and during other holidays. Such students will be treated as "one of the family" and will participate in family activities. The Canadian family is free to organize any activity of their choice with the international student. Families in Edmonton and vicinity who are interested in participating in the program, please contact the Office of Student Affairs, Athabasca Hall, telephone 432-4145.

Boreal Institute for Northern Studies—Library

The Institute's library is located in CW 401 Biological Sciences Building. It is open to the public during the hours of 8 a.m. to 9 p.m. Monday to Friday.

United States Nationality Law Changed

On 10 October the President of the United States signed a law repealing certain sections of the United States Nationality Law. The changed sections relate to the retention provisions required of children born abroad of one United States parent and one alien parent, and to loss of nationality by dual nationals at birth. United States citizens who have questions regarding these changes should communicate as soon as possible with the American Consulate General, Room 1050, 615 Macleod Trail, S.E. Calgary, Alberta, telephone (403) 266-8962.

Science Dining Club

The Science Dining Club will meet at 6 p.m. on Tuesday, 14 November, in the Saskatchewan Room of the Faculty Club. Joel Weiner of the Department of Biochemistry will speak on "Manipulation of Genes—Rational Approaches to Genetic Engineering." The talk will be followed by dinner. Reservations should be made by 10 November with Mrs. P. Grant, Faculty of Science, telephone 432-4757.

General Faculties Council Committee Vacancies

The GFC Nominating Committee is seeking nominations for one member of the academic staff to serve on the *Selection Committee for Chairman of the Department of Recreation Administration*. Regulations governing the composition of selection committees require that one member, not a member of the department concerned, be elected by GFC.

Those who have suggestions for nominations or who are interested in serving on the committee are requested to contact the Secretary of the Nominating Committee, 2-1 University Hall, telephone 432-4715. It would be appreciated if a brief vita could accompany any nomination.

Recreational Swimming Hours

Monday-Friday (West Pool)
11 a.m. to 1 p.m.
4 p.m. to 5:30 p.m.
Monday, Tuesday, Thursday (East Pool)
7 p.m. to 8 p.m.
Wednesday, Friday (West Pool)
7 p.m. to 8 p.m.
Saturday, Sunday (West Pool)
2 p.m. to 5 p.m.

Recreational Swim Schedules for January to April are available at the West Pool Office.

Film Presentations on Nuclear Power

Nuclear power and growth will be the subject of a film presentation sponsored by

Oxfam Edmonton, the Progressive Students' Association, and Save Tomorrow Oppose Pollution. The films to be featured are *No Act of God* and *Love Joy's Nuclear War*. The films will be shown at 7:30 p.m. on Tuesday, 14 November, at St. Joseph's Cathedral, 113 Street and Jasper Avenue, and at 7:30 p.m. Wednesday, 15 November. For the location of the second showing and further information, telephone 432-7926 or 432-0462.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to Folio Listings, 423 Athabasca Hall.

MUSIC

Students' Union Concerts

10, 11 November 8:30 p.m. Danny Grossmann Dance Company. SUB Theatre. Tickets \$5.50 at the SU Box Office (HUB Mall), Woodward's stores, and Mike's.

Department of Music

10 November, Friday. 5 p.m. Student recitals sponsored by the Department of Music. Convocation Hall. Free admission.

29 November, Wednesday 2 p.m. Violet Archer Vocal Music Workshop. 1-23 Fine Arts Building. Free admission.

14 November, Tuesday 8 p.m. Stage Band conducted by Fordyce Pier. SUB Theatre. Tickets \$2.50 at the door only.

15 November, Wednesday 7:30 p.m. Festival Singers Choral Workshop. 1-29 Fine Arts Building.

8 p.m. Recital of music for violin, oboe, and piano. Convocation Hall.

17, 18 November 8 p.m. Opera Excerpts from "The Barber of Seville" by Rossini, "The Bartered Bride" by Smetana, "Cosi fan tutte," and "Don Giovanni" by Mozart. Convocation Hall. Free admission.

Classical Guitar Workshop

11 November, Saturday. Accomplished guitarist, Alice Artzt, will conduct a workshop. Performers—\$15 (must be Classical Guitar Society of Edmonton members). Auditors—\$2.50 (members—free). For further information, telephone 433-1566 or 434-4834.

Provincial Museum

12 November, Sunday 2 p.m. Cultural Heritage performance featuring the Edmonton Youth Orchestra Brass Quintet.

Classical Guitar Concert

13 November, Monday 8:30 p.m. Acclaimed American guitarist, Alice Artzt, will perform works by Sor, Scarlatti, Tarrega, Berkeley, and Walton. Convocation Hall. Tickets

"PARENTAL GUIDANCE ADVISED"

A documentary film prepared by the University's Department of Radio and Television, "Parental Guidance Advised," will be featured on a special ninety minute presentation on ITV (Channel 13) on Monday evening, 13 November, at 10:30 p.m.

The topic of the ITV presentation and of the University-produced documentary is sex education in schools. The purpose of the program is not to educate viewers on the subject of human sexuality, but rather "to create an awareness within the adult public, family units, and especially parents of . . . the definite need to understand the

value of teaching human sexuality and personal management of reproduction to the adolescent." The film will also relate the concerns of the Alberta Medical Association "with regard to social health problems, alarming increases in adolescent pregnancies, therapeutic abortions, venereal diseases, and their side effects," particularly among teenagers.

The documentary film was conceived by Raph Beaussart and produced by Allen Bibby of the University's Radio and Television Department.

The remainder of the ITV presentation, entitled "Readin', 'Ritin', and Restricted

Adult," will be a live studio panel discussion with individuals who administer the current sex education programs in both public and separate school systems. During the live portion of the program, viewers will be encouraged to telephone in their comments.

The Department of Radio and Television at the University is encouraging every broadcasting outlet in Alberta to make full use of this documentary as the basis for similar programs to stimulate discussion on this matter, which it considers to be of important concern to the people of the province.

available at the Bay, Woodward's, SU Box Office (HUB Mall), and at the door.

Organ Recital

14 November, Tuesday 8 p.m. Jacobus (Kobie) Kloppers in recital. First Baptist Church, 10030 109 Street. Admission at the door.

South-Side Folk Club Concert

18 November, Saturday 8 p.m. Bob Carpenter from Vancouver Island and The Parlour Snakes from Edmonton. The Orange Hall, 104 Street and 84 Avenue. Tickets \$3. For ticket reservations telephone 475-1042.

THEATRE

Theatre 3

To 12 November. *The Shadow Box*. Directed by Keith Digby and starring Patricia Bell and Richard Gishler. For ticket information and show times telephone 426-6870.

Northern Light Theatre

Continuing. Piaf: Her Songs, Her Loves. Directed by Scott Swan. Art Gallery Theatre. Tickets available at Bay stores, the SU Box Office (HUB Mall), and the Northern Light Theatre Box Office.

Edmonton French Theatre

10, 11, 12 November 8 p.m. *Le Temps d'une Vie*, by Roland Lepage. Citadel Rice Theatre. For ticket information telephone 469-0829.

Walterdale Theatre

From 14 November. *Artichoke*, written by Joanna Glass and directed by Frank Glenfield. For ticket information and show times telephone the Bay Ticket Office at 424-0121.

Citadel Theatre

Continuing. Richard III. Directed by Peter Coe and starring Ron Moody. Shoctor Theatre. For ticket information and show times contact the Citadel Box Office, telephone 425-1820.

EXHIBITIONS

Provincial Museum

To 12 November. "Stewart Cameron—Cartoonist," an exhibition of the work of the Alberta cartoonist.

Continuing. "Images from Alberta's Southeast," an exhibition of southeast badlands. "People of the Anes, an exhibition of contemporary photographs by Paul Chesley, and a small collection of Peruvian ceramics. "French Folk Art," an exhibition that interprets the origins, approaches, and traditions of French folk art.

Edmonton Art Gallery

From 10 November. "Brasini: Roma Imperiale," an exhibition of the 1928 plan presented to Mussolini for the renewal of the heart of old Rome. An exhibition of recent works by an Edmonton abstract painter, Robert Scott. "The Picture Show," an exhibition intended to broaden the viewers' awareness of pictorial art. "Modern Masters from Italy," an exhibition on Italian art of the twentieth century.

University Art Gallery and Museum

To 17 November. An exhibition of watercolors by McCulloch.

From 15 November. An exhibition of the work of two graphic designers, Rolf Harder and Ernst Roch.

Students' Union Art Gallery

To 10 November. An exhibition of works in the areas of printmaking, drawing, painting, photography, sculpture, and industrial design by faculty members from the Department of Art and Design.

Multicultural Heritage Centre

Continuing. 1978 Annual Handicraft Show featuring crafts made by residents of the County of Parkland. Demonstrations and sale of crafts every Saturday and Sunday in November, 12 p.m. to 3 p.m. Telephone 963-2777 for information. Open from 10 a.m. to 4 p.m. Tuesdays through Saturdays;

12 p.m. to 4 p.m. Sundays. 5411 51 Street, Stony Plain.

Faculty of Education

Continuing. An exhibition on Carl G. Jung. 4th floor lounge, Education North.

Graphics

To 11 November. An exhibition of master prints. Featuring work by Rita Letendre, Melva McKenzie, Brian Jones, and others. "Editions Canada Graphics".

Continuing. Etchings by Urmilla Garg.

Citadel Theatre

To 11 November. "The Land I Adopted, The Land I Love," an exhibition of paintings in oil by Ilda Lubane.

Special Collections

Continuing. "Georg Kaiser, 1878-1945: Centenary Exhibition." First editions, letters, and documents of the major German playwright. 037 Cameron Library.

Continuing. "The Tercentenary of John Bunyan's *Pilgrim's Progress*," 037 Cameron Library.

FILMS

Citadel/National Film Theatre

10 November, Friday 7:30 and 9:15 p.m. *Artists Society* and *A Bigger Splash* (Great Britain, 1974).

12 November, Sunday 8 p.m. *A Bigger Splash*. 15, 16 November 7:30 p.m. *The Birth of a Nation* (United States, 1914).

17 November, Friday 7:30 and 9:30 p.m. *Panther Panchali* (India, 1952-55). Zeidler Hall. For ticket information contact the Citadel Box Office, telephone 425-1820.

Student Cinema

12, 13 November 7 and 9:30 p.m. *Coming Home* (United States, 1977).

12 November, Sunday Midnight. *El Topo* (Mexico, 1970).

16 November, Thursday 7 and 9:30 p.m. *The Rocky Horror Picture Show* (Great Britain, 1975).

17, 18 November 7 and 9:30 p.m. *Eyes of Laura Mars* (United States, 1978).

17 November, Friday Midnight. *200 Motels* (Great Britain, 1971). Students' Union Theatre. Tickets available at the SU Box Office (HUB Mall), and at the door.

Provincial Museum

12 November, Sunday 4 and 7 p.m. *Lives of a Bengal Lancer*, part of a Gary Cooper film series. Free admission.

15 November, Wednesday 7 p.m. *Fidelio*, part of an opera film series. Free admission.

Religious Diversity

15 November, Wednesday 12 noon *Smoky Lake Russo-Greek Orthodox*, one of a series of films jointly produced by Access Alberta and the University of Alberta. L-1 Humanities Centre. Free admission.

Edmonton Film Society

15 November, Wednesday 8 p.m. *The Navigator* (1924). Tory Lecture Theatre. Tickets available at the SU Box Office (HUB Mall), Woodward's stores, by mail, and at the door.

Humanities Film Society

16 November, Thursday 7 p.m. *King Lear* (1970). TL-11 Tory Building. Tickets \$1 at the door.

Department of Germanic Languages

16 November, Thursday 7 p.m. *Der Tod der Maria Malibran*. 17 Arts Building. Free admission.

Audubon Wildlife Films

18 November, Saturday 8 p.m. *Wilderness Trek Through New Zealand*. Provincial Museum. For tickets and information telephone 435-6010.

LECTURES AND SEMINARS

Physics Lecture

10 November, Friday 1:45 p.m. "Living and Working in Space: The Next 30 Years," with speaker J. Peter Vajk. V120 Physics Building.

Zoology Seminar

10 November, Friday 4 p.m. "Population Ecology of White-tailed Ptarmigan," with speaker C.E. Braun of the Wildlife Research Center, Fort Collins, Colorado. 345 Agriculture Building.

The Woodcroft Readings

13 November, Monday 8 p.m. NeWest Press/Review in cooperation with the Woodcroft Branch of the Edmonton Public Library presents a prose and poetry reading with speakers Helen Rosta, Anne Szumigalski, and Rudy Wiebe. 13420 114 Avenue. Admission is free.

Education Lecture

14 November, Tuesday 3:30 p.m. "IDRC

Interests in Research in Education in the Third World," with speaker Kenneth King, Associate Director-Education, of the International Development Research Centre, Ottawa. 113 Education South.

14 November, Tuesday 8 p.m. "Perspectives on International Development and Education," with speaker Kenneth King, Associate Director-Education, of the International Development Research Centre, Ottawa. 1-109 Education North.

Canadian Institute of Ukrainian Studies Seminar

14 November, Tuesday 12:30 p.m. "Housing Segregation and Mobility of Ukrainians in Manchester," with speaker W. Roman Petryshyn. 352 Athabasca Hall.

Comparative Literature Seminar

14 November, Tuesday 3:30 p.m. "The Ugly and the Beautiful in Literature: an Inquiry," with speaker P.S. Padmanabahn. Senate Chamber, Arts Building.

Physics Lecture

14 November, Tuesday 3:30 p.m. "Physics is Revolting," with speaker W. Williams of Leeds University, England. V-120 Physics Building.

Forest Science Seminar

15 November, Wednesday Noon. "Ecological Modifications Caused by the Removal of Tree and Shrub Canopies in the Mackenzie Delta," with speaker D. Gill. 346 Chemical-Mineral Engineering Building.

Public Lecture

15 November, Wednesday 12 noon. "Multiculturalism in Canada," with speaker Art Davis. Alberta College.

English Lecture

15 November, Thursday 12:30 p.m. "Four Thursdays in November," with speaker Tom Wayman. L-3 Humanities Centre.

Population Studies Seminar

15 November, Wednesday 3 p.m. "Computer Assisted Instructions in Demography," with speaker N.M. Lalu. 5-15 Tory Building.

Philosophy Club

15 November, Wednesday 4 p.m. "What is Understanding?" with speaker Julius Moravcsik of Stanford University. 4-65 Humanities Centre.

Canadian Studies Lecture

15 November, Wednesday 8 p.m. "Society in Canada," with speaker Wallace Clement of the Department of Sociology, McMaster University. 2-115 Education North.

Entomology Seminar

16 November, Thursday 4:30 p.m. "Origin and Fate of Germ Cells in Male and Female Embryos of Haplothrrips Verbasci (Thysanoptera)," with speaker B.S. Heming. 62 Athabasca Hall. Annex basement.

Art and Design Lecture

17 November, Friday 2:30 p.m. Doug Haynes, painter, will lecture on his art work. 2-20 Fine Arts Building.

Zoology Seminar

17 November, Friday 4 p.m. "Competition between great and blue tits," with speaker Andre Dhondt of the University of British Columbia. 345 Agriculture Building.

Public Debate

17 November, Friday 1 p.m. "The End of Trudeau?" with speakers Grant Davy and Frederick Engelmann. 14-6 Tory Building.

POINTS OF INTEREST

Campus Observatory

10, 17 November. For information and tour reservations telephone 432-2325.

RESEARCH GRANTS

Granting Agencies: Application Deadlines

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided to the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes and Centres, and Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-5360. Note: Although the Calendar is updated on a continuous basis, the following information could be subject to change without notice. If staff members have advance information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised. Code: (R) Research funds; (E) Exchange programs; (T) Travel grants.

Calendar

source number	Code	Granting agency	Deadline date
(10)	R	Agriculture Canada	
		Operating	15 Dec.
		Extra-Mural	1 Oct.
(25)	R	American Philosophical Society	8 Dec. 9 Feb. 6 Apr. 10 Aug.
(61)	R	Canada Council—Explorations	12 Oct. 1 Dec. 1 Mar. 1 June
(90)	R	Canadian Tuberculosis and Respiratory Disease Association	31 Dec.
(100)	T	Commonwealth University Interchange Scheme	15 Dec.
(130)	R	Department of the Environment—Atmospheric Environment Service	31 Dec.

<i>Calendar source number</i>	<i>Code</i>	<i>Granting agency</i>	<i>Deadline date</i>
(132)	R	Department of the Environment—Fisheries and Marine Service	1 Dec.
(275)	R	National Cancer Institute of Canada	1 Dec.
(325)	T	Nuffield Foundation Travel Grants	15 Dec.
(396)	E	Social Sciences and Humanities Research Council—Exchange Programs with France	1 Dec.
(397)	E	Social Sciences and Humanities Research Council—Exchange Programs with Japan	1 Dec.
(398)	E	Social Sciences and Humanities Research Council—Exchange Programs with USSR	1 Dec.

POSITIONS VACANT

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 3 November.

Clerk Typist II (\$695-\$803)—Housing and Food Services
Clerk Steno II (\$695-\$830)—Pharmacology; Office of the Comptroller; Faculty of Extension
Clerk Steno II (\$695-\$830, trust, term)—Faculty of Extension
Dental Assistant (\$721-\$863)—Community Dentistry
Dental Assistant (\$721-\$863, term)—Community Dentistry
Senior Clerk (\$748-\$895, term)—Personnel Services and Staff Relations
Clerk Typist III (\$748-\$895)—Library Science; Educational Administration
Clerk Typist III (\$424-\$508, part-time)—Microbiology
Clerk Steno III (\$772-\$929)—Educational Psychology; Nuclear Research Centre; Pharmacy
Data Entry Operator I/II (\$772-\$1,009)—Printing Services
Accounts Clerk II (\$830-\$1,009)—Office of the Comptroller
Secretary (\$863-\$1,053)—Canadian Institute of Ukrainian Studies; Animal Science; Drama; Interdisciplinary Studies; Comparative Literature
Secretary (\$863-\$1,053, trust)—Riel Project
Departmental Secretary (\$969-\$1,192)—University Collections
Computer Assistant I (\$695-\$830)—Computing Services
Animal Technician I (\$895-\$1,096)—Health Sciences Animal Centre
Technician I (\$895-\$1,096, trust)—Pharmacy
Maintenance Man II (\$969-\$1,192)—Housing and Food Services
Biology Technologist I (\$1,009-\$1,243, term)—Genetics
Draftsman II/III (\$1,053-\$1,476)—Purchasing, Interior Design
Plant Operator I (\$1,096-\$1,354)—Physical Plant
Programmer/Analyst II (\$1,192-\$1,476)—Computing Services
Typographical Tradesman III/IV (\$1,192-\$1,543)—Printing Services
Programmer/Analyst II/III (\$1,192-\$1,759)—Computing Services
Engineering Technologist III/IV (\$1,243-\$1,759)—Physical Plant, Engineering

Technician IV (\$1,298-\$1,611)—Purchasing, Interior Design
Supervisor—Repair Garage (\$1,298-\$1,611)—Physical Plant

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.

Library Assistant III (\$803-\$969)—Bibliographic Verification

Information concerning the positions listed below is available from the Canada Employment Centre, Floor 4, Students' Union Building (telephone 432-4291).

Clinical Psychologist

The Western Memorial Regional Hospital in Newfoundland is currently accepting applications for the position of Clinical Psychologist-Psychologist I

ADVERTISEMENTS

All advertisements must be received by 4:30 p.m. on the Thursday prior to publication. The cost is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

Accommodations available

For rent—three bedroom house. Double garage, fireplace, 3½ acres Woodbend Road. Furnished. 1 Dec. - 30 June. \$450 monthly. 403-487-9728, 403-432-5622.
For sale—West End 1,700 square feet, three level split. 10 minutes to University via Quesnel freeway. Three car garage, large brick fireplace in sunken living room, quiet crescent, many extras. \$98,900. 483-5649. No agents.
Reasonable rent to careful tenant. Four bedroom house, ravine lot, unfurnished or semi-furnished. 1 January to 30 June 1979. \$300. 459-4266.
For rent—Belgravia. Three bedroom house. 1,330 square feet. Furnished. Additional bedroom and playroom in finished basement. 2½ bathrooms. Garage. Large quiet lot. Ideal family house. Close to campus. Available for twelve months from 1 July. \$500 per month. 436-4367.
For sale—Belgravia. Near University, new unique, 2,000 square feet, two storey home. A conservationist's delight. Numerous extras such as skylights, two fireplaces, vacuum, intercom, etc. Choose your own interior and have a truly custom built home. Goetz, Crescent. 436-1134, 439-0035.
For rent—fully furnished, four bedroom house in Brander Gardens, 15 minutes from University. Available 1 January to 31 July. 434-5529 evenings only.
For sale—charming older home. Mill Creek Ravine. Fireplace, cedar deck, 2½ baths, four bedrooms, large sunny kitchen, garage, finished basement. \$85,900. 439-2429 after 6 p.m.
For sale—large home. Over 2,000 square feet, main floor family room with open fireplace, bright kitchen, 2½ baths, five bedrooms, main floor laundry. Well priced with fixed mortgage at 9%. Liz Crockford 434-0555 or Denise Routh 432-7398. Spencer Real Estate 436-5250.
For rent—for three or four months, beginning 11 January, home in Riverbend. Furnished. Deposit required. References. 435-5004.

For rent—one man offices. 100 square feet to 350 square feet. New and good location. From \$150 monthly. Telephone answering, reception, photocopying, secretarial services available. Phone 432-7565 or 433-6663 evenings.

For rent—by 20 December. Nice main floor of house, three unfurnished rooms. 15 minute walk from University. \$325. All utilities included. 437-2723.

Wanted homes for sale! I have several clients interested in purchasing homes in the University vicinity. Prices range from \$65,000 to \$200,000. If you are considering a move please contact Jeanne Eid for a complete market analysis. Bus. 436-5250 or res. 434-5780. Spencer Real Estate Ltd.

For sale—River valley view building site on Windermere Drive. 1.06 acres. Power and gas at property line. Only two miles southwest of city limits. Inquiries call Jeanne Eid. Res. 434-5780. Spencer Real Estate 436-5250.

For sale—Ultra deluxe condominium in Riverbend. Over 1,440 square feet, two full baths, luxury amenities (swimming pool, putting green, sauna). Underground parking. Convenient to University and downtown. Jeanne Eid, res. 434-5780, Spencer Real Estate 436-5250.

For sale—Doctors' residence. Westend ravine location convenient to Quesnell/Whitemud Freeway. Lovely French Provincial exterior which features over 2,300 square feet with four bedrooms, two custom fireplaces, separate family room, and extensive wood detail. Viewing by appointment only. Jeanne Eid res. 434-5780, Spencer Real Estate 436-5250.

For rent—Campus house. Second semester, beginning 1 January 1979. Reduced rent for care of three cats. Call 435-8204.

For sale—Parkallen, between University and Southgate, three-bedroom semi-bungalow, partially developed basement, two car garage. \$68,900. 432-3713 days, 437-2184 evenings.

For sale—Primrose Gardens. Two storey townhouse-end unit. Near 81 Avenue, 178 Street. Three bedrooms, 1½ baths, stove, fridge, drapes, smoke detector, extra insulation, near buses, schools. \$47,500. Call 432-3713 or 487-2084 after 6 p.m.

For sale—19 acre property approximately 18 miles from University. Beautiful rolling land, partially wooded with fenced pasture. Includes three bedroom, Hillside bungalow, covered heated swimming pool and combination barn-tack room-studio. Asking \$189,900. To view call Ken Smith 434-3783 or Janie Bodner 434-6385 or Potter Realty 436-3050.

For rent—four bedroom duplex. Garage, near Southgate, bus, school. Four appliances. Family and one year lease preferred. Available 16 December. \$475 monthly. \$300 damage deposit, 435-5794 evenings.

For rent—Lendrum. Two bedroom unfurnished (no appliances). 1,300 square foot bungalow. Single attached garage. Basement, two bedrooms, bathroom. No pets. \$450. 436-0377.

For rent—three bedroom bungalow, partly furnished. University area. \$500 plus utilities. Available 1 January. 487-3053.

For sale—by owner, beautiful, solidly built, two bedroom, executive bungalow in Windsor Park. One block from University. Lower level fully developed. \$125,000. Interested persons please call Calgary 252-2991.

Automobiles and accessories

1976 Ford LTD station wagon, excellent condition. Air conditioning, pb, ps, rack, third seat, fully equipped, very good tires, two extra Pirelli tires, 41,000 miles. \$4,200. Phone 436-7307.

For sale—1972 Renault R12, wagon, red. 479-5566, 479-3040.

1973 Audi 100LS, four door automatic 30,000 miles, rebuilt engine. \$2,900. 436-9596, 433-8249 after 5 p.m. Radial whitewall snow tires, AR78/13, used 1½ winters, \$40 pair. 433-3822 evenings.
For sale—1977 (September) Pontiac, Astre, Automatic, power steering, rear-defog, block heater, snow tires. 7,000 miles. \$3,650. 436-0727, 432-5402.
1967 Landrover, 109, 6 cyl., camper, hubs, overdrive. 433-4509.

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Interested to have yard cleaned, trees pruned, tilling. Call Jerry 439-3531.
Campus Hair Centre—8625 112 Street. 439-2423.
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Experienced coders, familiar with extracting data from flow charts and questionnaires. Pegi Gunn-Graham 467-3382, Hilary Hellum 467-1402.
Wanted practice piano for purchase. Call Norm at 432-5469, evenings 436-5545.
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Automatic slide projector. Remote control, spare lamps, slide trays, portable screen. \$50. 434-5529 evenings only.
Will do top quality typing. Phone 455-6398.
Excellent antique reproduction in solid Honduras mahogany: Spanish nest of tables (Sheraton), two wine tables, pedestal plant stand (Chippendale). Telephone 453-1774.

Piano or theory \$5 per lesson. Central location. 439-2662.

For sale—one pair of brown fleeced-lined Clark's boots for women, never worn, size 10, \$70. 488-5559, after 4 p.m.

Do you want to learn or improve your Spanish? Lessons in general or technical Spanish offered. Qualified native instructor with business and engineering background. Translations also accepted. 434-0574.

Remington 10-40 manual typewriter. French and Scandinavian keys. \$100. Beige living room and orange dining room plastic bamboo drapes. \$25. Phone 439-7720.

Mature sitter for baby seven months. Beginning January. Mornings and occasional full days. Windsor Park. References. Phone 439-7720.

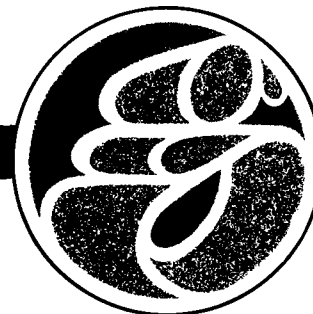
Typing—Theses, manuscripts, publications. On campus. 432-4295 days, 437-6953, 439-9416, 466-2749 evenings. For sale—Lloyds AM FM Stereo receiver eight track, turntable stand, and two speakers. Also child's car seat. Phone Dennis at 432-4276.

For sale—Faculty club selling upstairs lounge furniture. Inquiries to Lois Marckworth 432-3459 or Peter Graf, Club Manager 432-4231 immediately. Immaculate suede and leather coat with fur collar. Size 16, new, \$400. Asking \$275. 435-9441.

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